

Listing of Claims

1-19 (Cancelled)

20. A multi-domain computer comprising:

a first computer domain including a first processor and a first data storage device;

a second computer domain including a second processor and a second data storage device; and

a computer enclosure for enclosing the first computer domain and the second computer domain.

21. The multi-domain computer of claim 20, further comprising an electromagnetic field shield located inside the computer enclosure between the first computer domain and the second computer domain.

22. The multi-domain computer of claim 21, wherein the electromagnetic field shield prevents data migration between the first computer domain and the second computer domain.

23. The multi-domain computer of claim 21, wherein the electromagnetic field shield comprises an aluminum alloy and a non-conductive fiber lining.

24. The multi-domain computer of claim 20, wherein the first computer domain is associated with a first motherboard and the second computer domain is associated with a second motherboard.

25. The multi-domain computer of claim 20, further comprising a power supply for providing power to both the first computer domain and the second computer domain.

26. The multi-domain computer of claim 20, further comprising:

a selector switch having a first position for activating the first computer domain and a second position for activating the second computer domain.

27. The multi-domain computer of claim 26, further comprising:
a keyboard; and
wherein the first position of the selector switch allows communication between the keyboard and the first computer domain and prevents communication between the keyboard and the second computer domain; and
wherein the second position of the selector switch allows communication between the keyboard and the second computer domain and prevents communication between the keyboard and the first computer domain.
28. The multi-domain computer of claim 26, further comprising:
a mouse; and
wherein the first position of the selector switch allows communication between the mouse and the first computer domain and prevents communication between the mouse and the second computer domain; and
wherein the second position of the selector switch allows communication between the mouse and the second computer domain and prevents communication between the mouse and the first computer domain.
29. The multi-domain computer of claim 26, wherein the selector switch allows a user to alternate user interface functions between the first computer domain and the second computer domain without rebooting either the first computer domain or the second computer domain.
30. The multi-domain computer of claim 20, wherein the first computer domain and the second computer domain are isolated and no information is shared between the first computer domain and the second computer domain.
31. The multi-domain computer of claim 20, further comprising:
a smart card access controller for authenticating users prior to allowing access to the first computer domain.

32. The multi-domain computer of claim 20, wherein the first computer domain is a secure domain and the second computer domain is an unsecure computer domain.
33. The multi-domain computer of claim 32, further comprising:
a smart card access controller;
wherein the smart card access controller authenticates users prior to allowing access to the first computer domain; and
wherein the smart card access controller does not control access to the second computer domain.
34. The multi-domain computer of claim 20, wherein the computer enclosure comprises:
a plurality of access panels for providing access to the interior of the computer enclosure;
and
a plurality of locks for preventing unauthorized access through each of the plurality of access panels.
35. The multi-domain computer of claim 20, wherein the computer enclosure comprises:
a front panel having a first lock for preventing unauthorized access to the computer enclosure through the front panel; and
a back panel having a second lock for preventing unauthorized access to the computer enclosure through the back panel.
36. The multi-domain computer of claim 20, further comprising:
a selector switch having a first position for activating a user interface device for interfacing with the first computer domain and a second position for activating the user interface device for interfacing with the second computer domain;
wherein the first computer domain and the second computer domain are operational at the same time;
wherein the selector switch prevents user interaction with the second computer domain when the selector switch is in the first position; and

wherein the selector switch prevents user interaction with the first computer domain when the selector switch is in the second position.

37. The multi-domain computer of claim 20, wherein both the first computer domain and the second computer domain are powered on using a key-lock power switch.

38. The multi-domain computer of claim 20, further comprising:
a third computer domain including a third processor and a third data storage device enclosed within the computer enclosure; and
wherein the third computer domain is activated when the selector switch is in a third position.

39. The multi-domain computer of claim 20, further comprising:
a first reset button for resetting the first computer domain without resetting the second computer domain; and
a second reset button for resetting the second computer domain without resetting the first computer domain.